

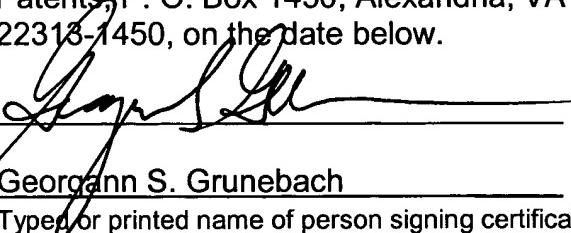


Patent  
PD-202131  
Customer No. 020991

2817  
JW

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al. : I hereby certify that this correspondence is  
Serial No.: 10/532,509 : being deposited with the United States Postal  
Filed: October 17, 2003 : Service with sufficient postage as first class  
For: ESTIMATING THE OPERATING : mail in an envelope addressed to:  
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AMPLIFIER : Mail Stop Amendment, Commissioner for  
Group Art Unit: 2817 : Patents, P. O. Box 1450, Alexandria, VA  
Examiner: To be determined : 22313-1450, on the date below.  
Date: October 20, 2005

  
\_\_\_\_\_  
Georgann S. Grunebach  
\_\_\_\_\_  
Typed or printed name of person signing certificate

### INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. It is respectfully requested that the references be considered and made of record in the application identified above.

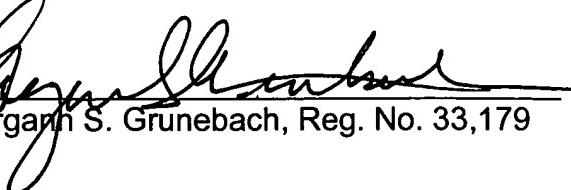
This statement should be considered because it is being submitted before the mailing of a first Office action on the merits under 37 C.F.R. §1.97(b)(3). Accordingly, it is submitted that no fee is due in this matter.

However, if it is determined that any appropriate fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

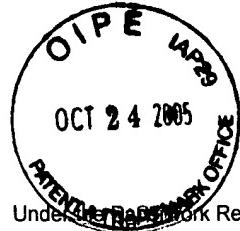
By:

  
Georgann S. Grunebach, Reg. No. 33,179

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October 20, 2005



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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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<p>Substitute for form 1449/PTO   <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>            (Use as many sheets as necessary)</p>	Complete if Known	
	Application Number	10/532,509
	Filing Date	October 17, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2817
	Examiner Name	To be determined
Sheet 1 of 3	Attorney Docket Number	PD-202131

#### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,718,184	04-2004	Aiken et al.	
		US-5,819,157	10-1998	Ben-Efraim et al.	
		US-5,999,793	12-1999	Ben-Efraim et al.	
		US-6,297,691	10-2001	Anderson et al.	
		US-6,501,804	12-2002	Dietmar et al.	
		US-6,745,050	06-2004	Forsythe et al.	
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		US-6,597,750	07-2003	Knutson et al.	
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		US-6,266,534	07-2001	Raith et al.	
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#### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		EP 0929164	07-1999	Societe Europeene des Satellites		
		WO 02/073817	09-2002	Nokia Corporation		
		EP 0356096	02-1990	Meyers		
		EP 0238822	09-1987	NEC Corporation		

Examiner Signature	Date Considered
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		First Named Inventor	Ernest C. Chen
		Art Unit	2817
		Examiner Name	To be determined
Sheet 2 of 3		Attorney Docket Number	PD-202131

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		US-5,329,311	07-1994	Ward et al.	
		US-5,450,623	09-1995	Yokoyama et al.	
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		US-6,034,952	03-2000	Dohi et al.	
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Examiner Signature		Date Considered	
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		Art Unit	2817
		Examiner Name	To be determined
Sheet 3 of 3		Attorney Docket Number	PD-202131

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		JANSSEN, G.J.M; SLIMANE, S.B.: "Performance of a Multiuser Detector for M-PSK Signals Based on Successive Cancellation", ICC 2001, 2001 IEEE International Conference on Communications, Conference Record, Helsinki, Finland, June 11-14, 2001, XP010552960	
		SLIMANE, S.B.; JANSSEN, G.J.M.: "Power Optimization of M-PSK Cochannel Signals for a Narrowband Multiuser Detector", 2001 IEEE Pacific Rim Conference on Communications, Computer and Signal Processing, Victoria, B.C., Canada, August 26-28, 2001, XP010560334	
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		MAZZINI, GIANLUCA: "Power Division Multiple Access", Universal Personal Communications, 1998, ICUPC 1998, IEEE 1998, International Conference on Florence, Italy, 5-9 October 1998, New York, NY, US, IEEE, US 5 October 1998 (1998 10-5), pages 543-546, XP010314962 ISBN: 0-7803-5106-1	
		SALEH, A.A.M. et al.: "Adaptive Linearization of Power Amplifiers in Digital Radio Systems", Bell System Technical Journal, American Telephone and Telegraph Co., New York, US, Vol. 62, No. 4, Part 1, 1 April 1983 (1983-04-01), pages 1019-1033, XP002028354	
		RAMCHANDRAN, KANNAN et al.: "Multiresolution Broadcast for Digital HDTV Using Joint Source/Channel Coding, IEEE, Vol. 11, No. 1, January 1993, pp. 6-22	

Examiner Signature		Date Considered	
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